

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P317134

Luminaire Tested: **GAN-SA0C-740-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317134  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA0C-740-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 71564 lumens  
Efficiency: N/A  
Efficacy: 128.3 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5

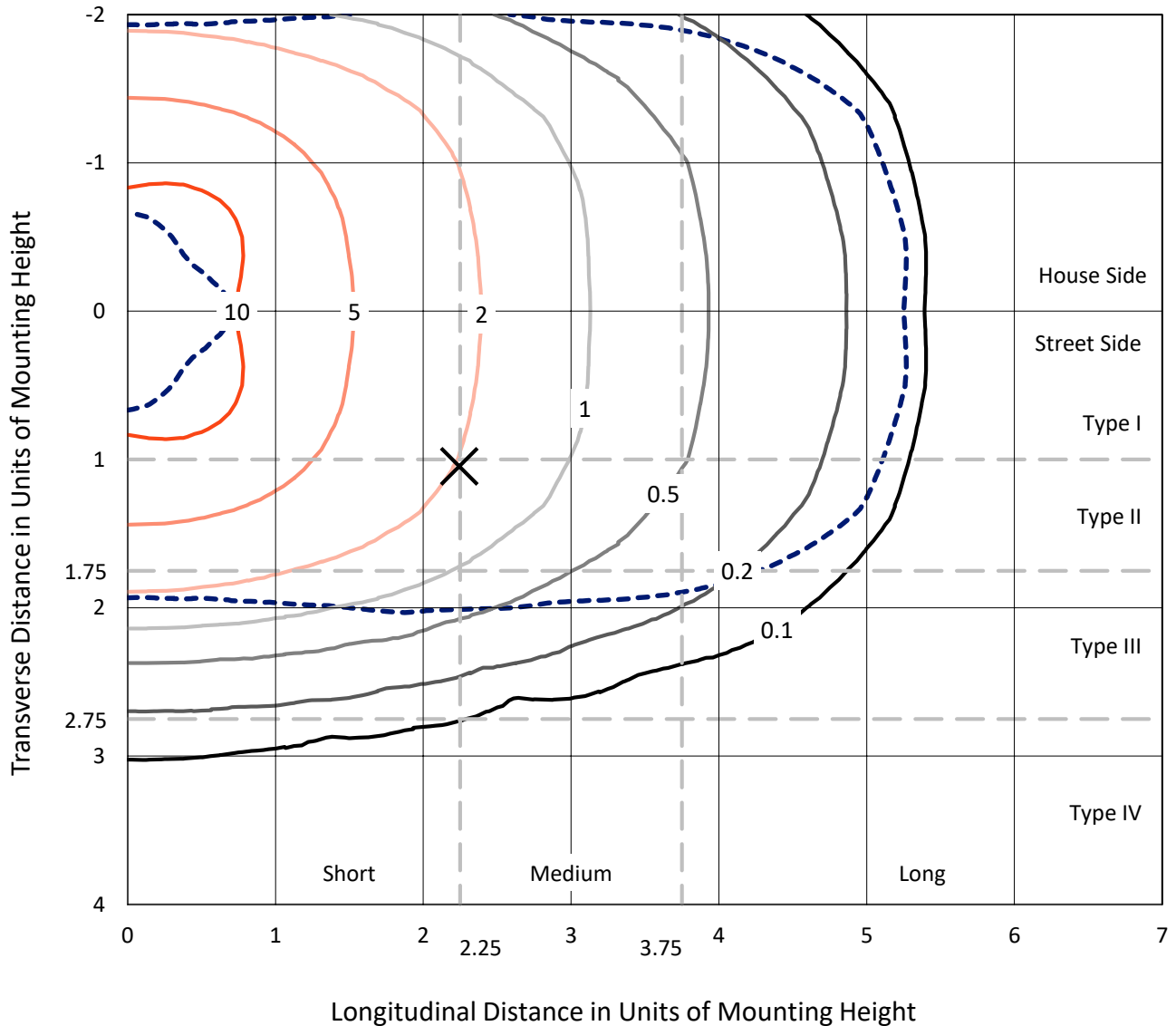
Input Watts (W): 558  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

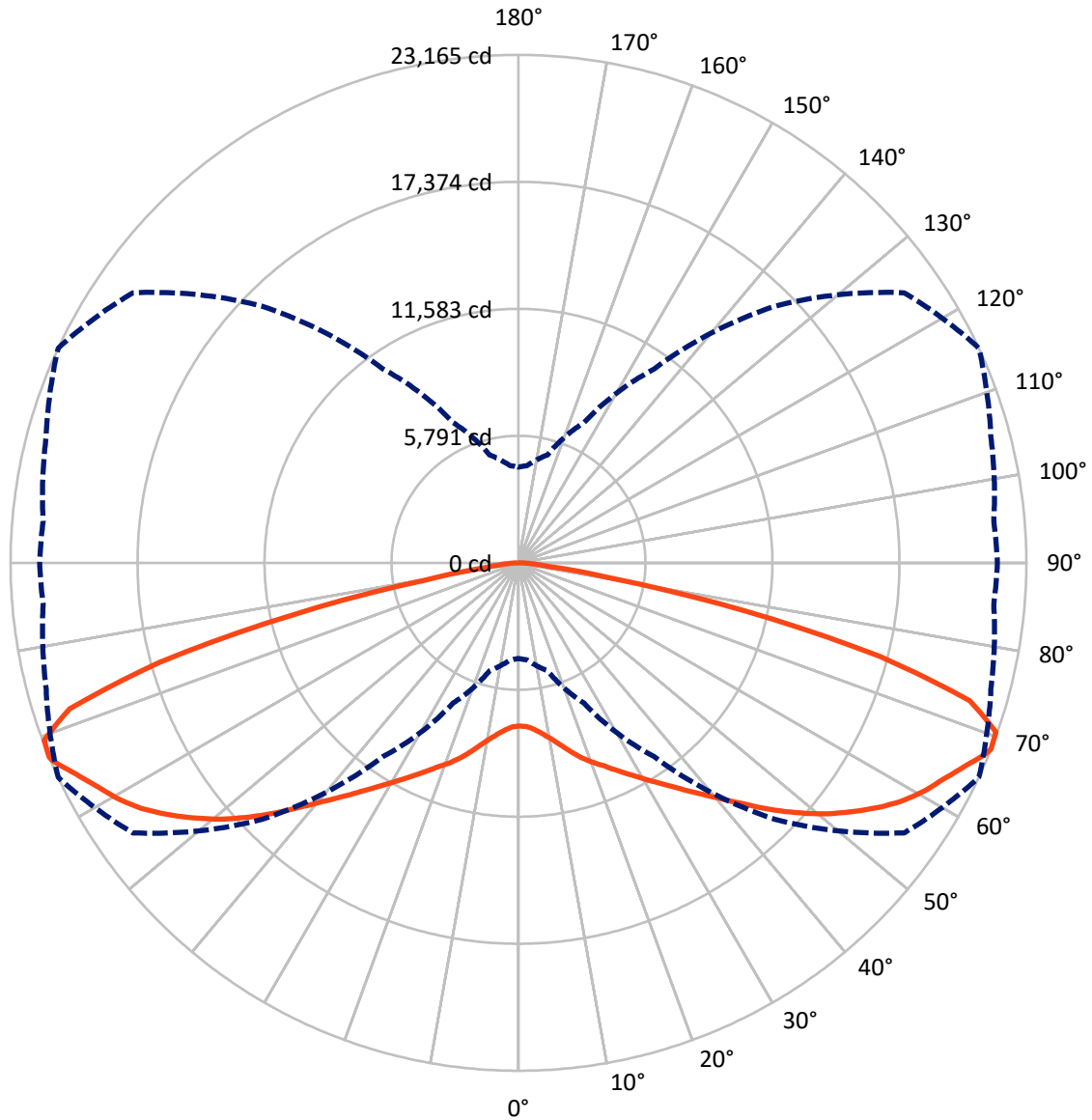
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	35782.0	0.0	35782.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	35782.0	0.0	35782.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	71564.0	0.0	71564.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	728.5	1.0
10°-20°	2439.4	3.4
20°-30°	4756.2	6.6
30°-40°	7990.1	11.2
40°-50°	12589.5	17.6
50°-60°	16836.3	23.5
60°-70°	16367.0	22.9
70°-80°	8947.0	12.5
80°-90°	909.9	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	71564.0	100.0
0°-180°	71564.0	100.0

**Coefficient of Utilization**

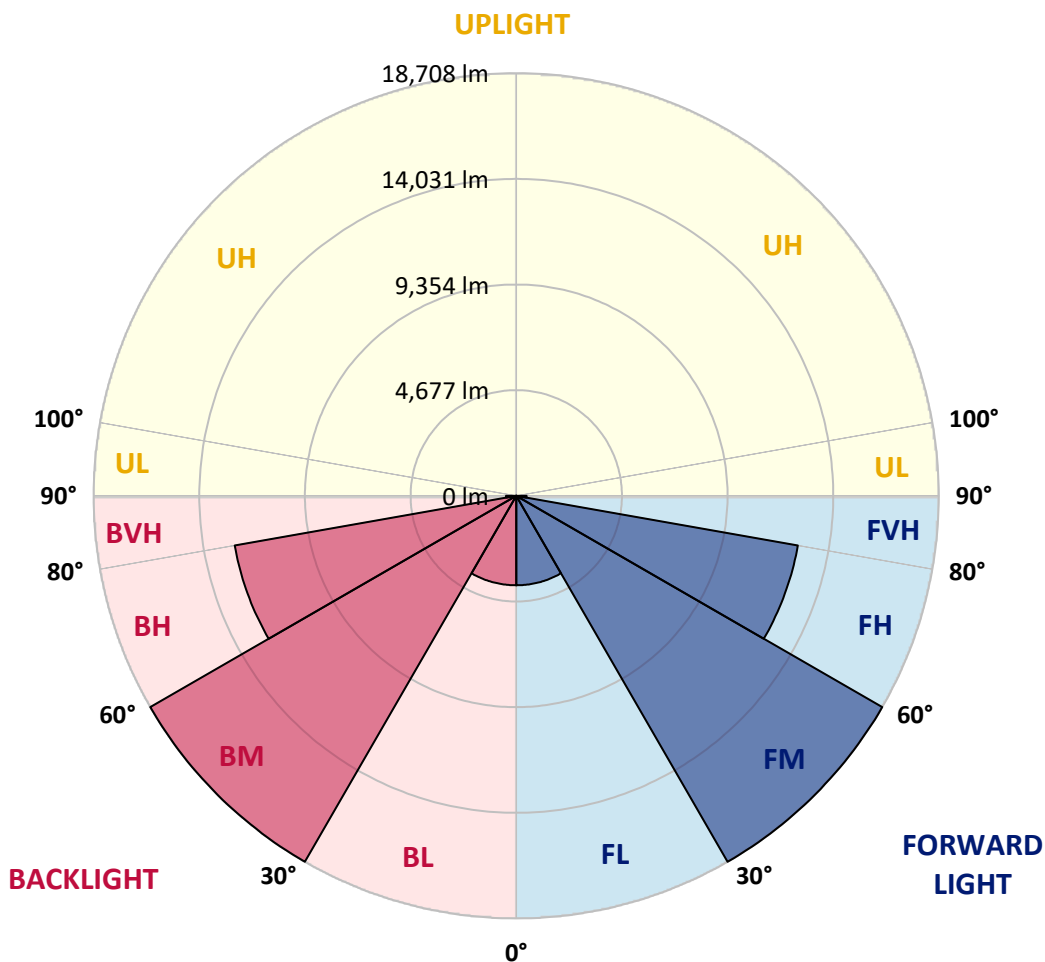


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3962.1	5.5			
FM (30°-60°)	18708.0	26.1			
FH (60°-80°)	12657.0	17.7			G5
FVH (80°-90°)	455.0	0.6			G3/500
BL (0°-30°)	3962.1	5.5	B4/5000		
BM (30°-60°)	18708.0	26.1	B5		
BH (60°-80°)	12657.0	17.7	B5		G5
BVH (80°-90°)	455.0	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7441.0	7441.0	7441.0	7441.0	7441.0	7441.0	7441.0	7441.0	7441.0	7441.0	7441.0
2.5°	7388.2	7390.6	7402.6	7417.0	7429.0	7460.2	7467.4	7479.4	7484.2	7496.2	7496.2
5°	7323.4	7328.2	7357.0	7395.4	7438.6	7515.4	7570.5	7632.9	7664.1	7697.7	7695.3
7.5°	7316.2	7328.2	7369.0	7431.4	7503.4	7630.5	7745.7	7870.5	7954.5	8031.3	8026.5
10°	7390.6	7409.8	7467.4	7560.9	7668.9	7827.3	7997.7	8165.6	8312.0	8429.6	8434.4
12.5°	7503.4	7527.4	7618.5	7760.1	7923.3	8127.2	8328.8	8518.4	8719.9	8895.1	8909.5
15°	7652.1	7683.3	7820.1	8031.3	8280.8	8523.2	8739.1	8933.5	9166.2	9408.6	9432.6
17.5°	7872.9	7916.1	8096.0	8381.6	8710.3	8976.7	9202.2	9348.6	9543.0	9792.5	9838.1
20°	8208.8	8264.0	8492.0	8832.7	9233.4	9511.8	9684.5	9715.7	9811.7	10034.9	10087.7
22.5°	8645.5	8693.5	8947.9	9353.4	9802.1	10104.5	10195.6	10070.9	10061.3	10241.2	10291.6
25°	9132.6	9175.8	9471.0	9926.9	10409.2	10742.7	10740.3	10498.0	10330.0	10469.2	10522.0
27.5°	9679.7	9746.9	10030.1	10510.0	11025.9	11354.6	11335.4	10961.1	10642.0	10678.0	10723.5
30°	10308.4	10382.8	10658.8	11145.9	11661.8	11983.3	11959.3	11465.0	10985.1	10889.1	10922.7
32.5°	11088.3	11177.1	11438.6	11918.5	12374.4	12664.8	12595.2	12012.1	11397.8	11189.1	11220.2
35°	12026.5	12079.3	12355.2	12827.9	13197.5	13396.6	13250.3	12645.6	11920.9	11669.0	11669.0
37.5°	12976.7	13017.5	13327.0	13785.4	14142.9	14248.5	13962.9	13339.0	12604.8	12247.2	12254.4
40°	13888.5	13998.9	14346.8	14817.2	15169.9	15198.7	14819.6	14130.9	13365.4	12995.9	13039.1
42.5°	14841.2	14949.1	15364.3	15896.9	16208.9	16256.9	15813.0	15018.7	14224.5	13924.5	13972.5
45°	15690.6	15777.0	16256.9	16876.0	17264.7	17389.5	16864.0	16036.1	15153.1	14860.3	14872.3
47.5°	16283.3	16396.1	16924.0	17653.4	18219.7	18411.7	17895.8	17027.1	16067.3	15712.2	15743.4
50°	16820.8	16880.8	17415.9	18212.5	18932.4	19328.3	18886.8	18006.1	16991.1	16614.4	16648.0
52.5°	17120.7	17197.5	17715.8	18546.0	19397.9	20036.2	19767.4	18886.8	17883.8	17516.6	17557.4
55°	16912.0	16969.5	17591.0	18620.4	19685.8	20472.9	20513.7	19748.2	18759.6	18438.1	18553.2
57.5°	15961.7	16033.7	16792.0	18140.5	19721.8	20768.0	21075.2	20547.3	19577.8	19316.3	19383.5
60°	14476.4	14522.0	15330.7	16847.2	19021.1	20890.4	21432.7	21199.9	20379.3	20117.7	20208.9
62.5°	11829.7	11896.9	12863.9	14896.3	17540.6	20528.1	21778.2	21739.8	21125.5	20885.6	20967.2
65°	8086.4	8204.0	9274.2	11844.1	15258.7	19419.5	22092.6	22368.5	21785.4	21483.1	21591.1
67.5°	4883.1	4969.4	5744.5	7820.1	11676.2	17183.1	21768.6	23083.6	22250.9	21763.8	21852.6
68°	4364.8	4443.9	5091.8	7057.0	10800.3	16552.0	21473.5	23165.2	22301.3	21759.0	21838.2
70°	2637.1	2689.9	3124.2	4362.4	7201.0	13130.3	19460.3	23098.0	22622.9	21826.2	21871.8
72.5°	1718.1	1734.9	1806.9	2238.8	3678.5	7342.6	14606.0	21523.9	23105.2	22217.3	22210.1
75°	1427.7	1418.1	1425.3	1475.7	1814.1	3220.2	8535.2	17003.1	22025.4	21600.7	21449.5
77.5°	1207.0	1199.8	1197.4	1199.8	1214.2	1554.9	3704.9	10591.6	16854.4	19107.5	19241.9
80°	976.6	967.0	998.2	983.8	940.6	967.0	1552.5	4405.6	7944.9	8547.2	8009.7
82.5°	710.3	674.3	808.6	770.3	734.3	681.5	856.6	1422.9	1895.6	1300.6	914.2
85°	547.1	508.7	614.3	590.3	503.9	347.9	508.7	695.9	767.9	439.1	345.5
87.5°	223.2	235.2	443.9	350.3	295.1	168.0	208.8	278.3	374.3	187.2	144.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)